

Project Title: Manganese Transport and Toxicity
PI: Wessling-Resnick, Marianne
Institution: Harvard School Of Public Health
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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
Absorption of manganese and iron in a mouse model of hemochromatosis.	Kim, Jonghan; Buckett, Peter D; Wessling-Resnick, Marianne	PLoS One (2013)	8 / e64944	PubMed Citation
Associations of iron metabolism genes with blood manganese levels: a population-based study with val ...	Claus Henn, Birgit; Kim, Jonghan; Wessling-Resnick, Marianne; Tellez-Rojo, Martha Maria; Jayawardene, Innocent; Ettinger, Adrienne S; Hernandez-Avila, Mauricio; Schwartz, Joel; Christiani, David C; Hu, Howard; Wright, Robert O	Environ Health (2011)	10 / 97	PubMed Citation
Attenuated inflammatory responses in hemochromatosis reveal a role for iron in the regulation of mac ...	Wang, Lijian; Johnson, Erin E; Shi, Hai Ning; Walker, W Allan; Wessling-Resnick, Marianne; Cherayil, Bobby J	J Immunol (2008 Aug 15)	181 / 2723-31	PubMed Citation
Belgrade rats display liver iron loading.	Thompson, Khristy; Molina, Ramon M; Brain, Joseph D; Wessling-Resnick, Marianne	J Nutr (2006 Dec)	136 / 3010-4	PubMed Citation
Distribution of manganese and other biometals in flatiron mice.	Seo, Young Ah; Elkhader, Jamal A; Wessling-Resnick, Marianne	Biometals (2016 Feb)	29 / 147-55	PubMed Citation
Ferroportin deficiency impairs manganese metabolism in flatiron mice.	Seo, Young Ah; Wessling-Resnick, Marianne	FASEB J (2015 Jul)	29 / 2726-33	PubMed Citation
Flatiron mice and ferroportin disease.	Johnson, Erin E; Wessling-Resnick, Marianne	Nutr Rev (2007 Jul)	65 / 341-5	PubMed Citation

Glucose metabolism in the Belgrade rat, a model of iron-loading anemia.	Jia, Xuming; Kim, Jonghan; Veuthey, Tania; Lee, Chih-Hao; Wessling-Resnick, Marianne	Am J Physiol Gastrointest Liver Physiol (2013 Jun 15)	304 / G1095-102	PubMed Citat
Hepcidin regulation of iron transport.	Collins, James F; Wessling-Resnick, Marianne; Knutson, Mitchell D	J Nutr (2008 Nov)	138 / 2284-8	PubMed Citat
Impaired renal function and development in Belgrade rats.	Veuthey, Tania; Hoffmann, Dana; Vaidya, Vishal S; Wessling-Resnick, Marianne	Am J Physiol Renal Physiol (2014 Feb 1)	306 / F333-43	PubMed Citat
Influence of DMT1 and iron status on inflammatory responses in the lung.	Kim, Jonghan; Molina, Ramon M; Donaghey, Thomas C; Buckett, Peter D; Brain, Joseph D; Wessling-Resnick, Marianne	Am J Physiol Lung Cell Mol Physiol (2011 Apr)	300 / L659-65	PubMed Citat
Intestinal ferroportin expression in pediatric Crohn's disease.	Burpee, Tyler; Mitchell, Paul; Fishman, Douglas; Islam, Shabana; Nemeth, Elizabetha; Westerman, Mark; Wessling-Resnick, Marianne; Grand, Richard J	Inflamm Bowel Dis (2011 Feb)	17 / 524-31	PubMed Citat
Iron absorption by Belgrade rat pups during lactation.	Thompson, Khristy; Molina, Ramon M; Donaghey, Thomas; Brain, Joseph D; Wessling-Resnick, Marianne	Am J Physiol Gastrointest Liver Physiol (2007 Sep)	293 / G640-4	PubMed Citat
Iron and mechanisms of emotional behavior.	Kim, Jonghan; Wessling-Resnick, Marianne	J Nutr Biochem (2014 Nov)	25 / 1101-7	PubMed Citat
Iron depletion increases manganese uptake and potentiates apoptosis through ER stress.	Seo, Young Ah; Li, Yuan; Wessling-Resnick, Marianne	Neurotoxicology (2013 Sep)	38 / 67-73	PubMed Citat
Iron homeostasis and the inflammatory response.	Wessling-Resnick, Marianne	Annu Rev Nutr (2010 Aug 21)	30 / 105-22	PubMed Citat
Iron imports. III. Transfer of iron from the mucosa into circulation.	Wessling-Resnick, Marianne	Am J Physiol Gastrointest Liver Physiol (2006 Jan)	290 / G1-6	PubMed Citat
Iron loading impairs lipoprotein lipase activity and promotes hypertriglyceridemia.	Kim, Jonghan; Jia, Xuming; Buckett, Peter D; Liu, Sihao; Lee, Chih-Hao; Wessling-Resnick, Marianne	FASEB J (2013 Apr)	27 / 1657-63	PubMed Citat

Iron metabolism and the innate immune response to infection.	Johnson, Erin E; Wessling-Resnick, Marianne	Microbes Infect (2012 Mar)	14 / 207-16	PubMed Citat
Iron-responsive olfactory uptake of manganese improves motor function deficits associated with iron ...	Kim, Jonghan; Li, Yuan; Buckett, Peter D; Bohlke, Mark; Thompson, Khristy J; Takahashi, Masaya; Maher, Timothy J; Wessling-Resnick, Marianne	PLoS One (2012)	7 / e33533	PubMed Citat
Modulation of intracellular iron levels by oxidative stress implicates a novel role for iron in sign ...	Deb, Suman; Johnson, Erin E; Robalinho-Teixeira, Raquel L; Wessling-Resnick, Marianne	Biometals (2009 Oct)	22 / 855-62	PubMed Citat
Nramp1 and Other Transporters Involved in Metal Withholding during Infection.	Wessling-Resnick, Marianne	J Biol Chem (2015 Jul 31)	290 / 18984-90	PubMed Citat
Olfactory ferric and ferrous iron absorption in iron-deficient rats.	Ruvin Kumara, V M; Wessling-Resnick, Marianne	Am J Physiol Lung Cell Mol Physiol (2012 Jun 15)	302 / L1280-6	PubMed Citat
Olfactory uptake of manganese requires DMT1 and is enhanced by anemia.	Thompson, Khristy; Molina, Ramon M; Donaghey, Thomas; Schwob, James E; Brain, Joseph D; Wessling-Resnick, Marianne	FASEB J (2007 Jan)	21 / 223-30	PubMed Citat
Pharmacology of iron transport.	Byrne, Shaina L; Krishnamurthy, Divya; Wessling-Resnick, Marianne	Annu Rev Pharmacol Toxicol (2013)	53 / 17-36	PubMed Citat
Role of ferroportin in macrophage-mediated immunity.	Johnson, Erin E; Sandgren, Andreas; Cherayil, Bobby J; Murray, Megan; Wessling-Resnick, Marianne	Infect Immun (2010 Dec)	78 / 5099-106	PubMed Citat
Severe postnatal iron deficiency alters emotional behavior and dopamine levels in the prefrontal cor ...	Li, Yuan; Kim, Jonghan; Buckett, Peter D; Bohlke, Mark; Maher, Timothy J; Wessling-Resnick, Marianne	J Nutr (2011 Dec)	141 / 2133-8	PubMed Citat